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SUPPORTING STRUCTURE FOR ROTATIONAL SHAFT IN FLUID MACHINE

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ABSTRACT

PROBLEM TO BE SOLVED: To prolong service life of a **lip seal**, mounted in parallel with a **bearing** without shortening the service life of the **bearing** in a fluid machine.

SOLUTION: The **lip seals** 45, 46 are mounted on projecting end parts 192, 202 of rotary **shafts** 19, 20, projecting to a gear accommodating room 331 through a rear housing 14. Gears 34, 35 are locked on the projecting end parts 192 and 202, and diameter-increasing bases 47, 48 are formed integrally on the gears 34, 35. Radial **bearings** 37, 38 are mounted on the projecting end parts 192, 202 via the diameter-increasing bases 47, 48.

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